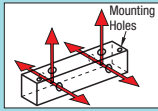


Manifold Blocks - Hydraulic

T-Shaped Hole



For details of recommended tapered male thread tightening torque and through pilot hole, see P1224.

By inserting "G-" before part number, "PT Threads (Tapered Female Threads)" can be changed to "PF Threads (Parallel Female Threads)" in compliance with "JIS B 0202" (Unit Price remains the same).

Type	Pitch (P) Standard				Pitch (P) Configurable				Material	Surface Treatment	Max. Operating Pressure
	25x32 Sq.	40 Sq.	50 Sq.	60 Sq.	70 Sq.	40 Sq.	50 Sq.	60 Sq.			
BMAS	BMAFA	BMAFLM	BMAFLK	BMALM	BMAFPA	BMAFLP	BMAFLK	SS400 (BMAFLM)	Sheet for General Structure (BMAFPA) (BMAFLM) (BMAFLP)	Electroless Nickel Plating	20.6MPa=210kgf/cm ² or less
BMASR	BMAFRA	BMAFLR	-	-	-	-	-	SUS304	-	-	1MPa=10kgf/cm ² or less
-	BMAFSA	-	-	-	-	-	-	SUS316	-	-	-
-	BMAFCA	-	-	-	-	-	-	Brass	-	-	-

* Drawing for 3 Circuit Type is selected. The total number of Q, R and S threads is 9.

Thread JIS B0203 Rc(PT) JIS B0202 G(PF): ISO 228-1 Compatible ANSI/ASME B.1.20.1-1983(NPT)

Mounting Hole Change
Through Hole (NA) Tapped Hole (T) Counterbore Tapped Hole (ZT)

Side Mounting Hole Change
Side Counterbore (YZ) Side Through (YN)

Mounting Hole Dimension	d	D	h	D ₁	d ₁	h ₁
M5	5.5	9.5	5.5	8	4.2	4.5
M6	6.6	11	6.5	9.5	5.1	5.5
M8	8.5	14	8.5	11	6.8	6.5

* Only for SUS304, d₁ dimension is 4.3.

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Part Number	Type	Mounting Hole Change	Rc (PT), NPT Selection	Pitch P	Number of Pitches N	Total Number of Q, R and S Threads	A	B	E	F	X	Y	Mounting Hole M			
														Q, R, S	Standard	Configurable
Pitch Standard BMAS BMAFR	Pitch Standard	NA (Through)	1 (1/8)	25	-	-	25	32	20	16	7.5	7	M5			
														1	0	3
														2	1	6
														3	2	9
														4	3	12
														5	4	15
														6	5	18
														7	6	21
8	7	24														
Pitch Standard BMAFA BMAFRA BMAFSA BMAFCA	Pitch Configurable	T (Tapped)	1 (1/8)	40	25-50	-	40	40	25	20	7.5	7	M6			
														1	0	3
														2	1	6
														3	2	9
														4	3	12
														5	4	15
														6	5	18
														7	6	21
8	7	24														
(Standard Change: E dimension) (50 Sq.)	Pitch Standard	YZ (Side Counterbore)	2 (1/4)	60	35-60	-	50	50	30	25	7.5	8	M8			
														1	0	3
														2	1	6
														3	2	9
														4	3	12
														5	4	15
														6	5	18
														7	6	21
8	7	24														
(60 Sq.)	Pitch Standard	YN (Side Through)	2 (1/4)	60	35-60	-	60	60	30	30	7.5	8	M8			
														1	0	3
														2	1	6
														3	2	9
														4	3	12
														5	4	15
														6	5	18
														7	6	21
8	7	24														
(70 Sq.)	Pitch Standard	-	6 (3/4)	60	-	-	70	70	40	35	10	10	M8			
														1	0	3
														2	1	6
														3	2	9
														4	3	12
														5	4	15
														6	5	18
														7	6	21
8	7	24														

* By inserting "G-" before part number, the thread type can be changed to the G (PF) Thread as part of ordering. (Ex.: G-BMAF) For ordering, see the Ordering Example.
 * For Q, R and S, specify 1, 2, 3, 4, 5, M3, M4, 1N or 2N indicated before (.)
 * Specify the pitch taking into consideration the necessary dimensions for fitting the couplings.
 * For Block Square 50 Type, when 3/4 is selected for both tapered threads at right angles, the tapered male threads may interfere with each other. Select Block Square 60 Type instead.
 * Select NA, T or ZT for the mounting hole shape of 7 and 8 Circuit Types.

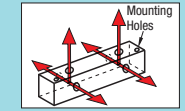
Ordering Example

Part Number	Type	Mounting Hole Change	Number of Circuits	Q	R	S	P
BMAF	T	4	4	Q3	R2	S3	P45
BMAFLP	NA	3	3	Q3	R4	S4	P45
G-BMAFLP	NA	3	3	Q3	R4	S4	P45 (G Thread)

Number of Circuits	Pitch (P) Standard Unit Price								Pitch (P) Configurable Unit Price						
	25x32 Sq.	40 Sq.	50 Sq.	60 Sq.	70 Sq.	40 Sq.	50 Sq.	60 Sq.	40 Sq.	50 Sq.	60 Sq.				
1	BMAS	BMAFR	BMAFA	BMAFRA	BMAFSA	BMAFCA	BMAFL	BMAFLM	BMAFLR	BMAFLK	BMAL	BMALM	BMAFPA	BMAFLP	BMAFLK
2															
3															
4															
5															
6															
7															
8															

Manifold Blocks - Pneumatic

T-Shaped Hole



For details of recommended tapered male thread tightening torque and through pilot hole, see P1224.

By inserting "G-" before part number, "PT Threads (Tapered Female Threads)" can be changed to "PF Threads (Parallel Female Threads)" in compliance with "JIS B 0202" (Unit Price remains the same).

Type	Pitch (P) Standard			Pitch (P) Configurable			Material	Surface Treatment	Max. Operating Pressure
	20 Sq.	25 Sq.	35 Sq.	50 Sq.	20 Sq.	25 Sq.			
BMGFC	BMGF	BMGFK	BMGFL	BMGFCP	BMGFP	BMGFKP	Aluminum Alloy	-	1MPa=10kgf/cm ² or less
BMGFCA	BMGFA	-	BMGFLA	BMGFCAP	BMGFAP	-	Clear Anodize	-	-

* Drawing for 3 Circuit Type is selected. The total number of Q, R and S threads is 9.

Thread JIS B0203 Rc(PT) JIS B0202 G(PF): ISO 228-1 Compatible ANSI/ASME B.1.20.1-1983(NPT)

Mounting Hole Change
Through Hole (NA) Tapped Hole (T) Counterbore Tapped Hole (ZT)

Side Mounting Hole Change
Side Counterbore (YZ) Side Through (YN)

Mounting Hole Dimension	d	D	h	D ₁	d ₁	h ₁
M5	5.5	9.5	5.5	8	4.2	4.5
M8	8.5	14	8.5	11	6.8	6.5

* Only for SUS304, d₁ dimension is 4.3.

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Part Number	Type	Mounting Hole Change	Rc (PT), NPT, M (Coarse) Selection	Pitch P	Number of Pitches N	Total Number of Q, R and S Threads	A	B	E	F	X	Y	Mounting Hole M			
														Q, R, S	Standard	Configurable
Pitch Standard BMGFC BMAFR	Pitch Configurable	T (Tapped)	1 (1/8)	15	-	-	20	20	20	10	5	4	M5			
														1	0	3
														2	1	6
														3	2	9
														4	3	12
														5	4	15
														6	5	18
														7	6	21
8	7	24														
Pitch Standard BMAFA BMAFRA BMAFSA BMAFCA	Pitch Configurable	NA (Through)	1 (1/8)	30	20-50	-	25	25	20	12.5	7.5	7	M5			
														1	0	3
														2	1	6
														3	2	9
														4	3	12
														5	4	15
														6	5	18
														7	6	21
8	7	24														
(Standard Change: E dimension) (50 Sq.)	Pitch Standard	YZ (Counterbore Tapped)	1 (1/8)	30	20-50	-	35	35	20	17.5	7.5	7	M5			
														1	0	3
														2	1	6
														3	2	9
														4	3	12
														5	4	15
														6	5	18
														7	6	21
8	7	24														
(60 Sq.)	Pitch Standard	YN (Side Through)	2 (1/4)	40	-	-	50	50	25	25	8.5	8.5	M8			
														1	0	3
														2	1	6
														3	2	9
														4	3	12
														5	4	15
														6	5	18
														7	6	21
8	7	24														

* By inserting "G-" before part number, the thread type can be changed to the G (PF) Thread as part of ordering. (Ex.: G-BMGF) For ordering, see the Ordering Example.
 * For Q, R and S, specify 1, 2, 3, 4, 5, M3, M4, 1N or 2N indicated before (.)
 * Specify the pitch taking into consideration the necessary dimensions for fitting the couplings.
 * Each 6 and 8 Circuit Type has an additional mounting hole at the midpoint of the overall length. 7 Circuit Type has an additional mounting hole at each midpoint of the 2 - 3 port pitch, and 5 - 6 port pitch from the left to the right. (Except for 20 Sq. and 25 Sq.)
 * For Block Square 25 Type, when 1/4 is selected for both tapered threads at right angles, the tapered male threads may interfere with each other. Select Block Square 35 Type instead.
 * Select NA, T or ZT for the mounting hole shape of 7 and 8 Circuit Types.

Ordering Example

Part Number	Type	Mounting Hole Change	Number of Circuits	Q	R	S	P
BMGF	T	4	4	Q2	R5	S2	P50
BMGFP	ZT	4	4	Q2	R2	S2	P50
G-BMGFP	ZT	4	4	Q2	R2	S2	P50 (G Thread)

Number of Circuits	Pitch (P) Standard Unit Price				Pitch (P) Configurable Unit Price						
	20 Sq.	25 Sq.	35 Sq.	50 Sq.	20 Sq.	25 Sq.	35 Sq.	50 Sq.			
1	BMGFC	BMGFCA	BMGF	BMGFA	BMGFK	BMGFL	BMGFLA	BMGFCP	BMGFAP	BMGFKP	BMGFLK
2											
3											
4											
5											
6											
7											
8											